

MINUTE ITEM

This Calendar Item No. C80 was approved as  
Minute Item No. 80 by the California State Lands  
Commission by a vote of 3 to 0 at its 06/26/06  
meeting.

CALENDAR ITEM

**C80**

A 54, 55

06/26/06

W 10440

S 27, 28

V. Duda

**CONSIDER PRIOR APPROVAL OF SUBSIDENCE COSTS  
FOR VERTICAL MEASUREMENTS AND STUDIES,  
2006-2007 FISCAL YEAR, CITY OF LONG BEACH,  
LOS ANGELES COUNTY**

**APPLICANT:**

City of Long Beach  
Long Beach Gas and Oil Department  
Attn.: Mr. Christopher J. Garner, Director  
211 E. Ocean Blvd., Suite 500  
Long Beach, CA 90802

**BACKGROUND:**

The City of Long Beach (City) conducts ground elevation measurement surveys and studies twice each year throughout the Harbor District and Long Beach area for the purpose of monitoring changes that may be attributable to subsidence. The project consists of vertical measurements and studies in the City of Long Beach between July 1, 2006 and June 30, 2007. A major portion of the work effort and cost is in the vertical measurement (elevation) surveys and studies. The City estimates the cost of the work to be:

Vertical Measurements	\$168,800
Three Month Hot Spot Survey	\$ 25,300
Fixed GPS Base Stations	\$115,600
Studies, Evaluations, and Reports	<u>\$223,000</u>
	\$532,700

Historically, the primary method for monitoring vertical subsidence in Long Beach has been spirit leveling. The semi-annual surveys are now being conducted utilizing state of the art Global Position Satellite (GPS) technology. The

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estimated survey costs reflect continued operating efficiencies for GPS surveying. Field data collection time has been reduced, and the 800 spirit leveled benchmarks have been reduced to approximately 200 GPS benchmarks. Costs for vertical measurements for fiscal year 2006-2007 include survey acquisition, professional processing, reporting, benchmark maintenance, and mobile GPS equipment repair.

The three month hot spot survey is a new category that encompasses the expenditures for elevation surveys over a small area. These surveys are needed to supplement the existing six-month surveys in areas where greater than anticipated changes in elevations have occurred.

The estimated cost for fixed GPS stations includes station service/ maintenance of the thirteen permanent GPS base stations that monitor elevations on a continuous basis, equipment repairs, and technical support from the consultant. Costs have increased from fiscal year 2005-2006 budget reflecting the yearly increase in the professional support contract with the consultant.

**FISCAL IMPACT:**

Subsidence costs for vertical measurements and studies conducted in Long Beach are deducted from the Long Beach tidelands oil revenues, with the prior approval of the California State Lands Commission in accordance with Chapter 138, Statutes of 1964, First Extraordinary Session, Section 1(e). Costs have risen over 80 percent (80%) over the last four years.

**STATUTORY AND OTHER REFERENCES:**

- A. The proposed expenditures are authorized by Chapter 138, Statutes of 1964, First Extraordinary Session, and Section 1(e) subject to prior approval by the California State Lands Commission.

**OTHER PERTINENT INFORMATION:**

1. The City of Long Beach has determined that the project is exempt from the requirements of the CEQA as a categorically exempt project under Class 6, Information Collection, Title 14, California Code of Regulations, section 15306.
2. Pursuant to the Commission's delegation of authority and the State CEQA Guidelines (Title 14, California Code of Regulations, section 15061), staff recommends that the Commission concur with the City's determination.

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**EXHIBITS:**

- A. Location Map
- B. Cost Estimate

**PERMIT STREAMLINING ACT DEADLINE:**

N/A (not a "development project" subject to the Act)

**RECOMMENDED ACTION:**

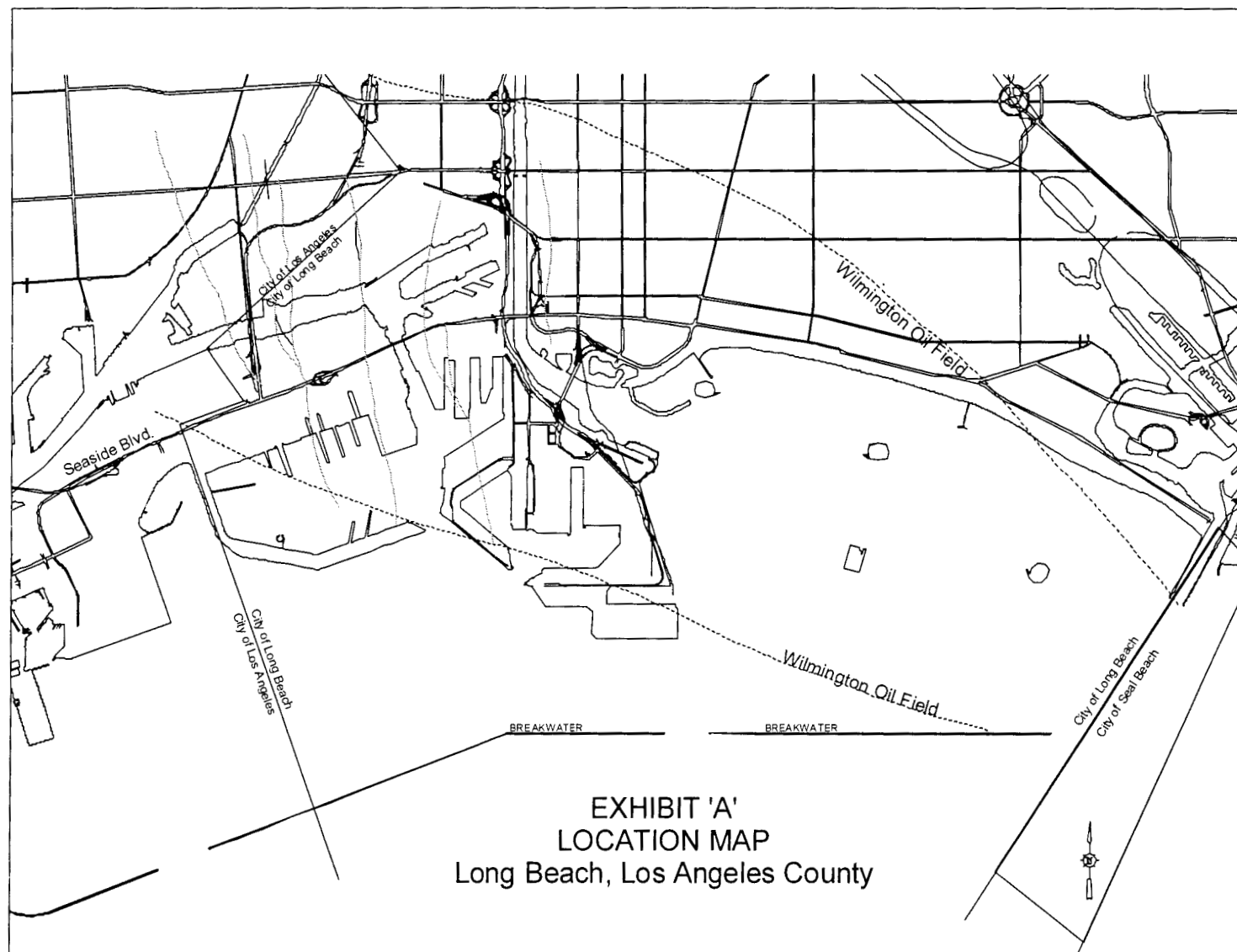
IT IS RECOMMENDED THAT THE COMMISSION:

**CEQA FINDING:**

CONCUR WITH THE CITY OF LONG BEACH'S DETERMINATION THAT THE PROPOSED ACTIVITY IS EXEMPT FROM THE REQUIREMENTS OF CEQA AS A CATEGORICALLY EXEMPT PROJECT, CLASS 6, INFORMATION COLLECTION; AND

**AUTHORIZATION:**

APPROVE SUBSIDENCE COSTS, AS DEFINED IN CHAPTER 138, STATUTES OF 1964, FIRST EXTRAORDINARY SESSION, SECTION 1(e) AND AS SHOWN ON EXHIBIT B, ATTACHED HERETO, BY THIS REFERENCE MADE A PART HEREOF, PROPOSED TO BE EXPENDED BY THE CITY OF LONG BEACH, FOR SUBSIDENCE VERTICAL MEASUREMENTS AND STUDIES TO BE CONDUCTED IN THE LONG BEACH HARBOR DISTRICT BETWEEN JULY 1, 2006 AND JUNE 30, 2007, SUBJECT TO THE CONDITION THAT THE WORK CONFORMS IN ESSENTIAL DETAILS TO THE DEFINITIONS AND PROCEDURES FOR SUCH WORK ESTABLISHED BY THE COMMISSION ON JUNE 27, 1979, MINUTE ITEM 27.



W 10440

**EXHIBIT B**

COST ESTIMATE  
LONG BEACH WORK ORDER NO. W10440  
Estimates Submitted by City of Long Beach for  
Subsidence Vertical Surveys  
2006-2007 Fiscal Year

<u>ITEM</u>	<u>PROPOSED WORK</u>	<u>RECOMMENDED APPROVAL</u>
1.	Vertical Measurements	\$168,800
2.	Three Month Hot Spot Survey	\$25,300
3.	Fixed GPS Base Stations	\$115,600
4.	Studies, Evaluations, and Reports	<u>\$223,000</u>
	Total	\$532,700